

## EAST Search History

| Ref # | Hits   | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|--|------------------|---------|------------------|
| L1    | 79257  | (alkali adj metal adj salt) (alkaline adj earth adj metal adj salt) (molten adj salt) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/07/25 09:03 |
| L2    | 582517 | titanium or titanium adj alloy  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/07/25 09:03 |
| L3    | 226382 | purify or purifying   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/07/25 09:04 |
| L4    | 11     | (I1 with I3) same I2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/07/25 09:24 |
| L6    | 0      | liClO <sub>4</sub> kl   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/07/25 09:24 |
| L7    | 299    | liCl-kCl  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/07/25 09:24 |
| L8    | 18     | I7 near5 molten adj salt  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/07/25 09:25 |

## EAST Search History

|     |        |   |  |    |     |                  |
|-----|--------|---|--|----|-----|------------------|
| L9  | 4      | I8 and titanium   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/25 10:39 |
| L10 | 1      | foil near5 titanium near5 adsorbent   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/25 10:40 |
| S1  | 517519 | molten salt and (titanium or zirconium) and (purify or purifying or purification) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/24 14:59 |
| S2  | 151899 | S1  | USPAT  | OR | OFF | 2007/07/24 14:59 |
| S3  | 206297 | S1  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/24 15:00 |
| S4  | 72241  | adsorbent or adsorb or adsorbing  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/24 15:00 |
| S5  | 186    | (deoxidize or deoxidization or deoxidizing) with (titanium)                       | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/24 15:01 |
| S6  | 4      | S5 and S4 and S1  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/24 15:01 |
| S7  | 1      | ("4210469").PN. OR ("6228321").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/07/24 15:06 |
| S8  | 0      | jp-814009-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/24 15:16 |
| S9  | 0      | jp-0814009-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/24 15:16 |

## EAST Search History

|     |        |                                 |  |    |     |                  |
|-----|--------|---------------------------------|--|----|-----|------------------|
| S10 | 0      | jp-2000814009-\$.did.           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/24 15:16 |
| S11 | 2      | jp-08014009-\$.did.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/24 15:17 |
| S12 | 78     | S1 and S2 and S5                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/24 15:18 |
| S13 | 4      | S1 and S4 and S5                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/24 15:18 |
| S14 | 6952   | S1 and S4                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/24 15:18 |
| S15 | 40     | S14 and ("204" and "205").clas. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/24 15:20 |
| S16 | 85225  | (molten or metal) adj salt      | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/24 15:20 |
| S17 | 368002 | titanium or titanium adj alloy  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/24 15:21 |
| S18 | 118833 | purify or purifying             | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/24 15:21 |
| S19 | 54496  | adsorb adsorbing                | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/24 15:21 |

## EAST Search History

|     |       |  |                              |    |     |                  |
|-----|-------|--|------------------------------|----|-----|------------------|
| S20 | 187   | S16 and S17 and S18 and S19  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/24 17:09 |
| S21 | 13    | S20 and ("204" "205").clas.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/24 15:21 |
| S22 | 0     | ("2005/0139483").URPN.   | USPAT                        | OR | OFF | 2007/07/24 15:23 |
| S23 | 2865  | (vessel or liner or lined) near5<br>(titanium or ti)   | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/24 15:49 |
| S24 | 11    | S20 and S23  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/24 15:56 |
| S25 | 429   | (melt or melting) near5 (metal or<br>molten) adj salt  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/24 15:57 |
| S26 | 31    | S25 and (purifying or purify)  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/24 16:34 |
| S27 | 18330 | sumitomo.as.   | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/24 16:34 |
| S28 | 436   | S27 and titanium and (molten or<br>metal) adj salt   | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/24 16:35 |
| S29 | 0     | S28 and purify\$3 and oxidiz\$3  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/24 16:35 |
| S30 | 4     | S28 and ("204" "205").clas.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/24 16:43 |
| S31 | 26    | (purify or purifying) near5 (metal or<br>molten) adj salt  | USPAT                        | OR | OFF | 2007/07/24 17:09 |
| S32 | 16    | ("1820022"   "2375009"  <br>"3404036"   "3448271"   "3488223"<br>  "3562134"   "3997413"  <br>"4076602"   "4510029"  <br>"5089094").PN. OR ("6676824").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/07/24 17:22 |
| S33 | 1     | S32 and titanium   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/07/25 09:02 |